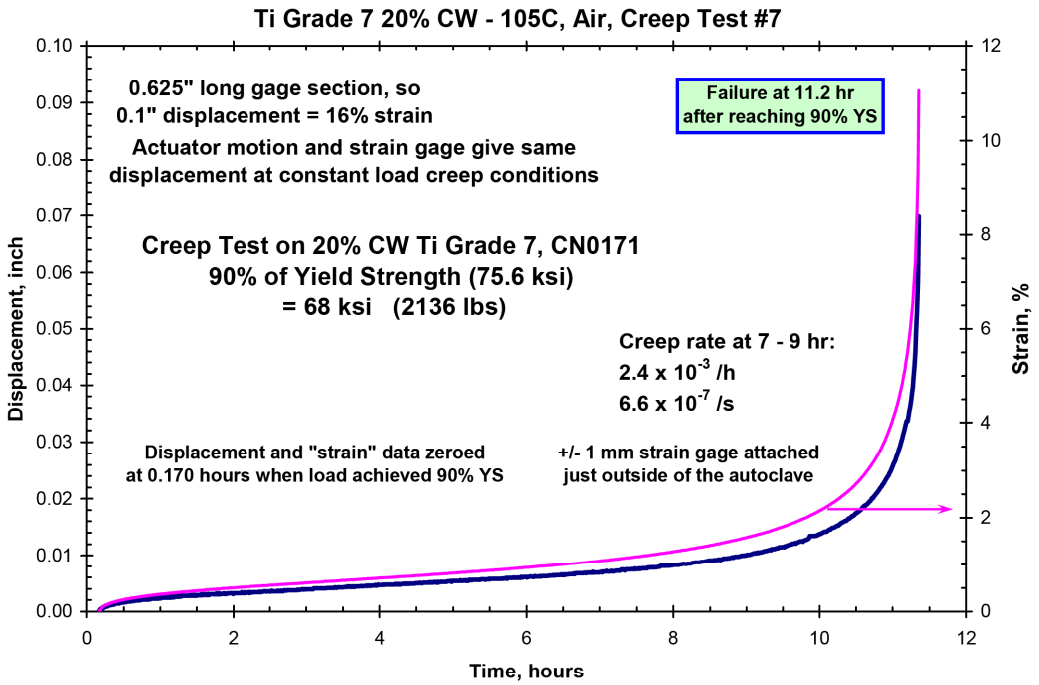

Figure 13. Creep response of 20% CW Titanium Grade 7 in 105 °C air.

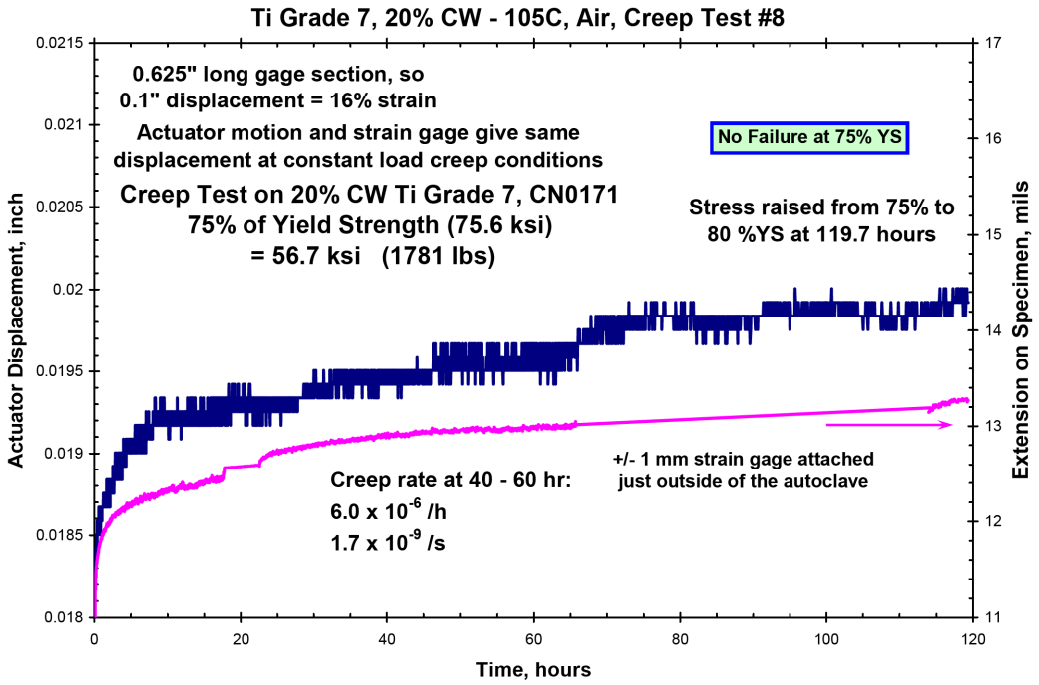

Figure 14. Creep response of 20% CW Titanium Grade 7 in 105 °C air.

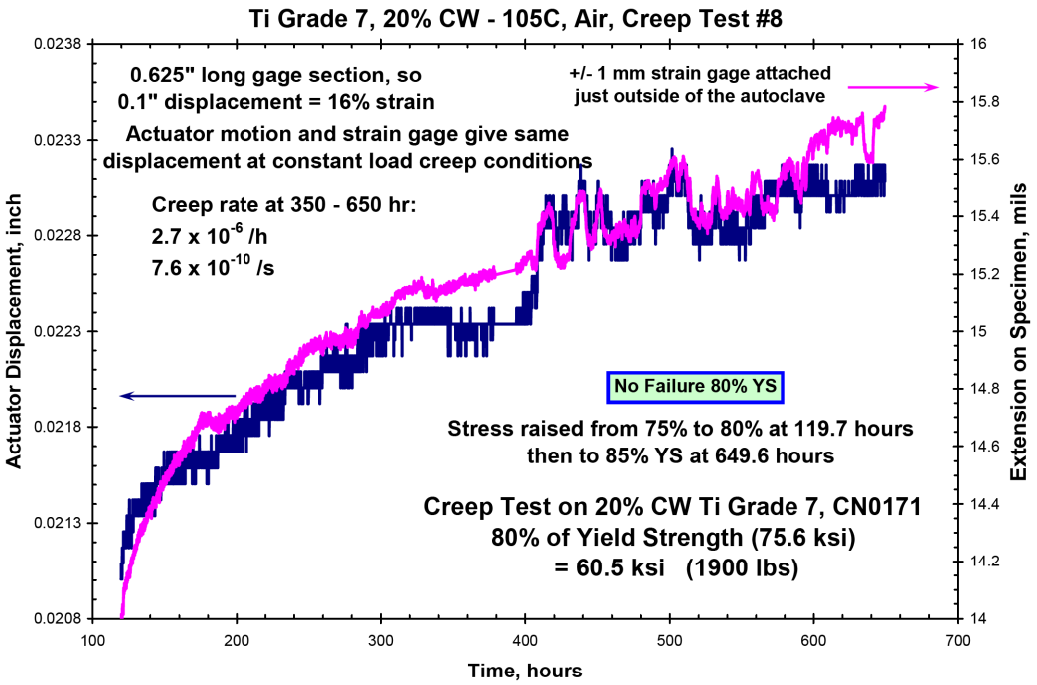

Figure 15. Creep response of 20% CW Titanium Grade 7 in 105 °C air.

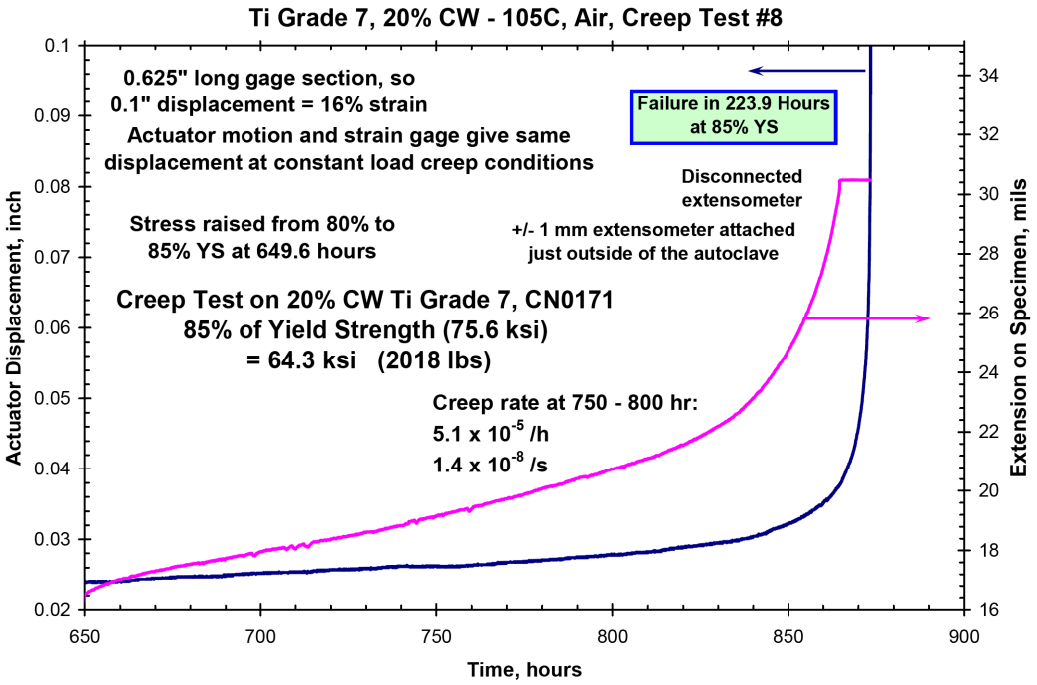

Figure 16. Creep response of 20% CW Titanium Grade 7 in 105 °C air.

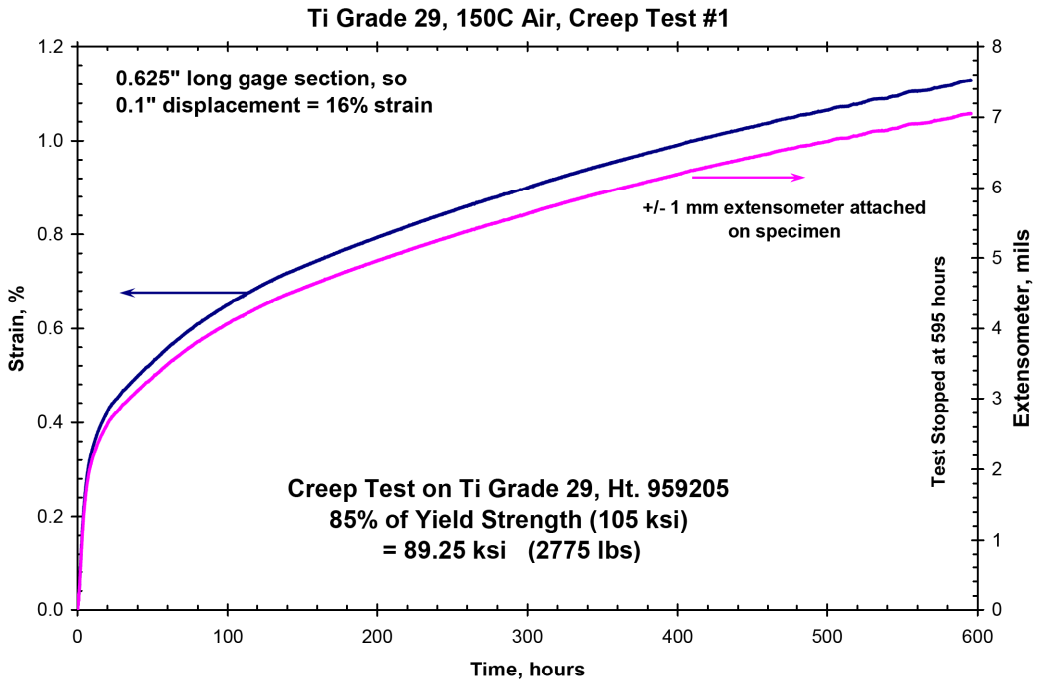

Figure 17. Creep response of Titanium Grade 29 in 150 °C air.

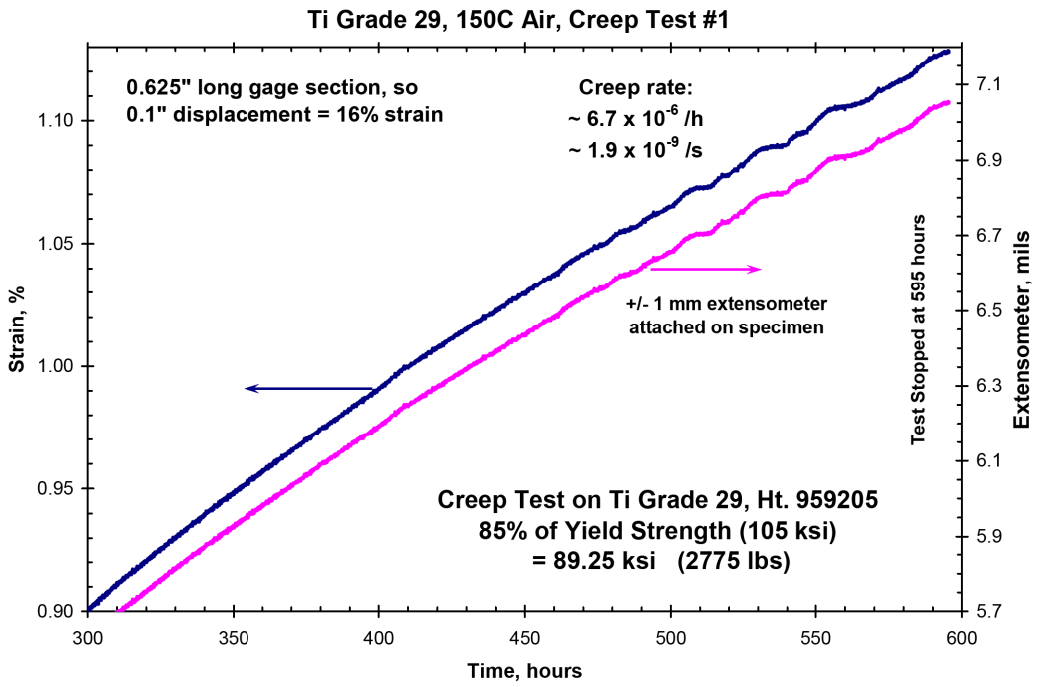

Figure 18. Creep response of Titanium Grade 29 in 150 °C air.

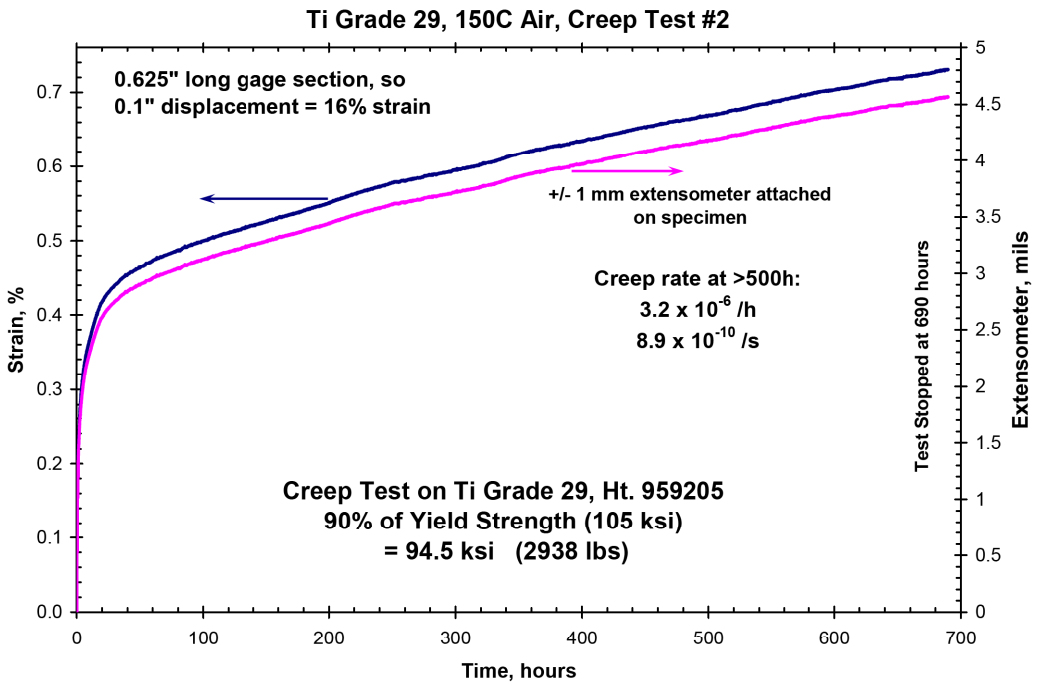

Figure 19. Creep response of Titanium Grade 29 in 150 °C air.

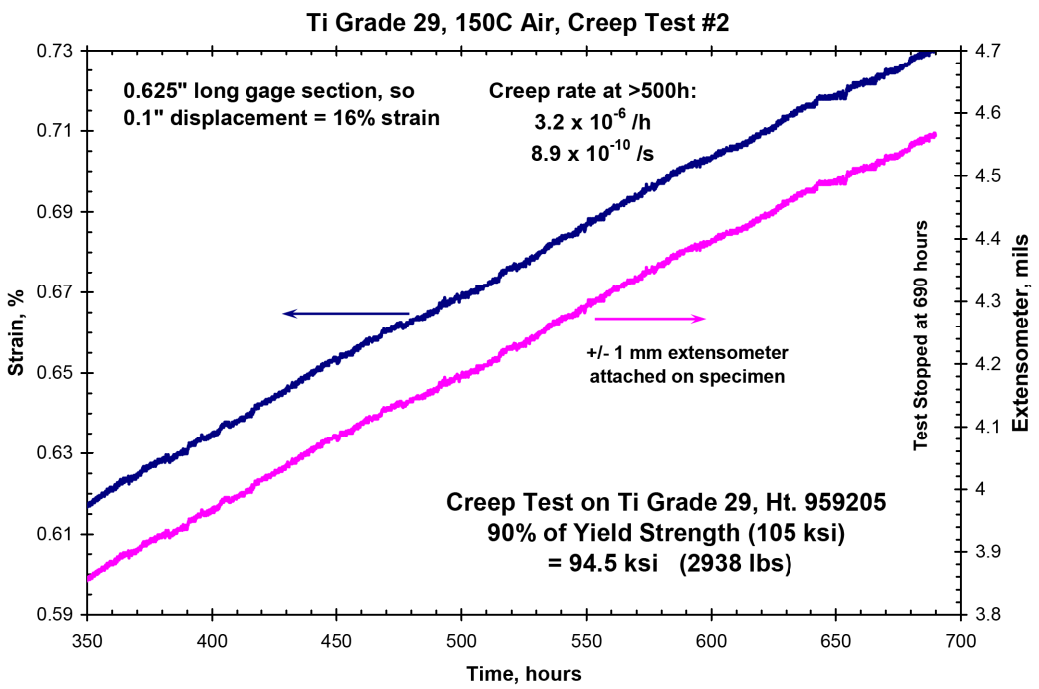

Figure 20. Creep response of Titanium Grade 29 in 150 °C air.

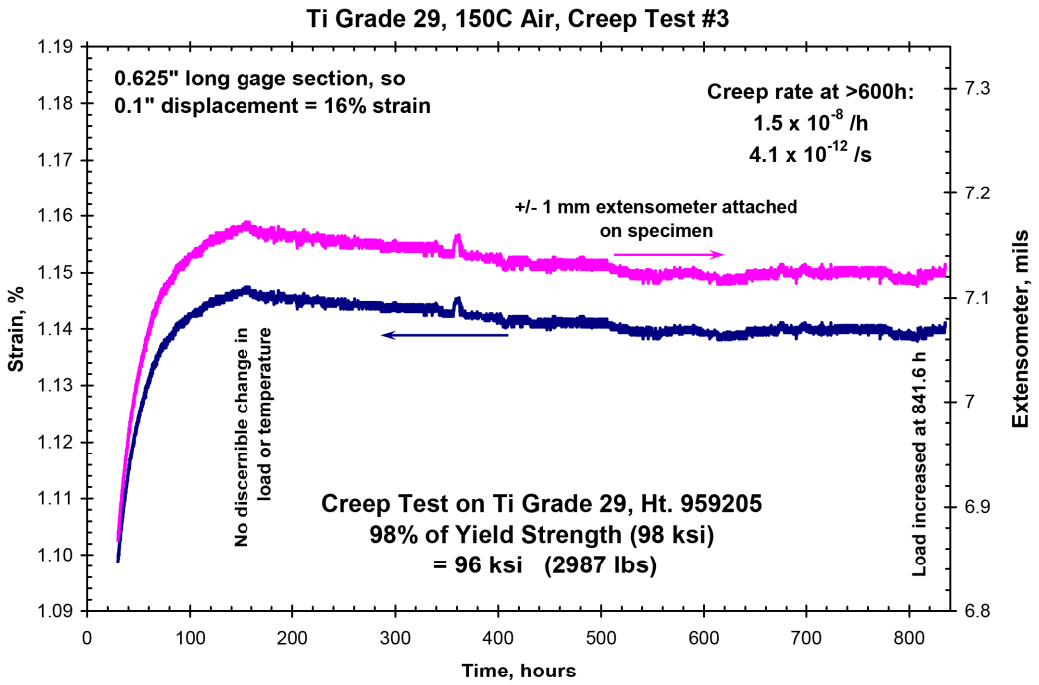

Figure 21. Creep response of Titanium Grade 29 in 150 °C air.

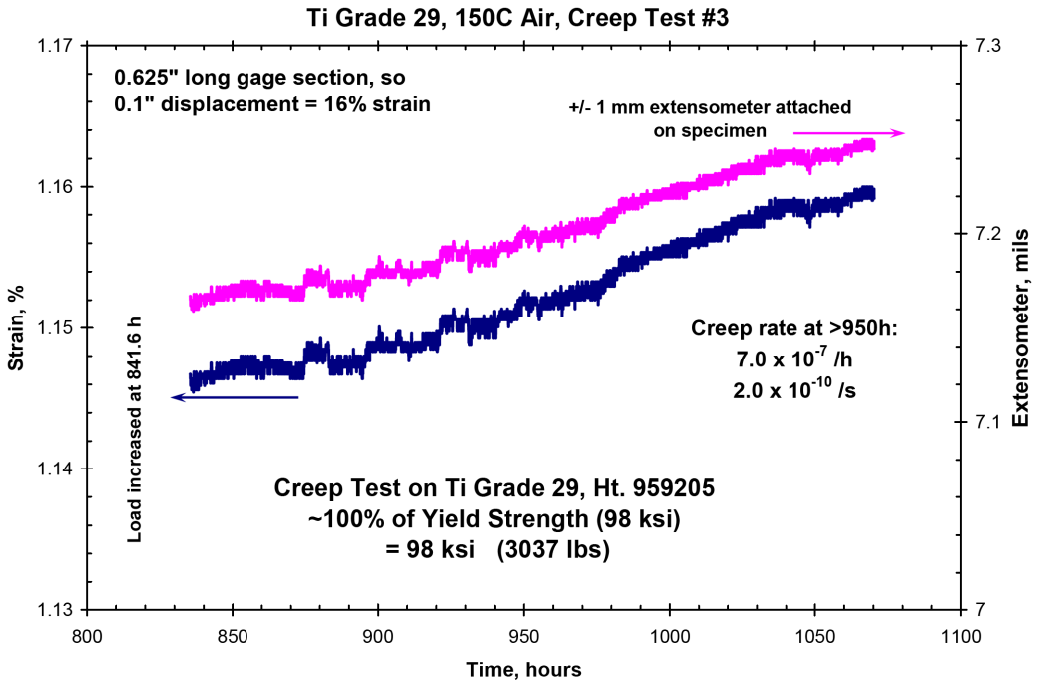

Figure 22. Creep response of Titanium Grade 29 in 150 °C air.

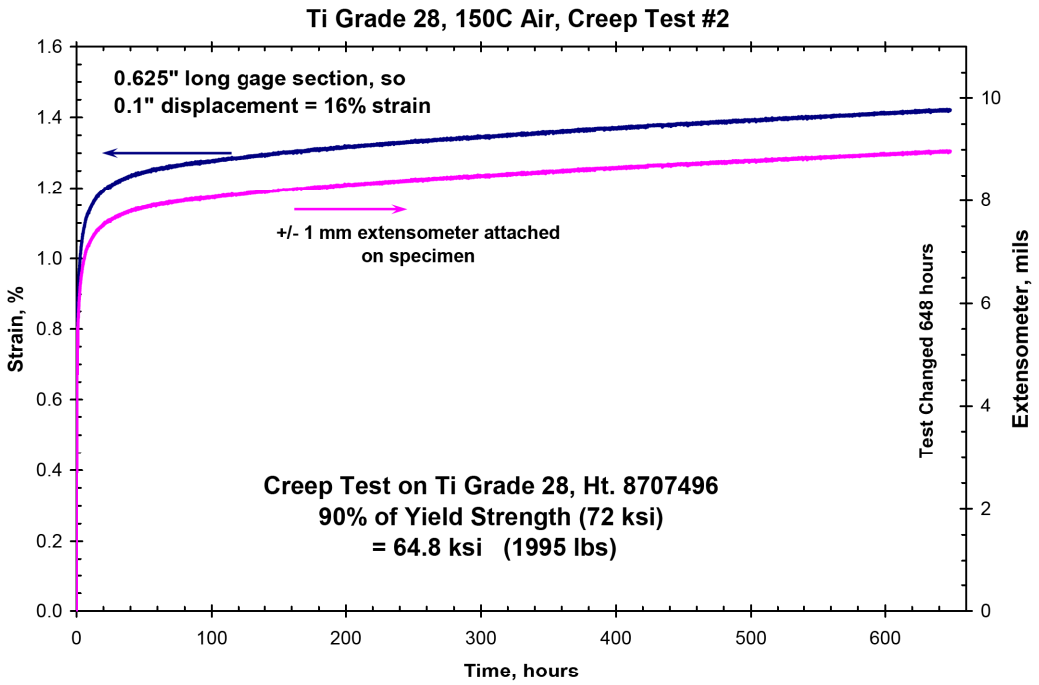

Figure 23. Creep response of Titanium Grade 28 in 150 °C air.

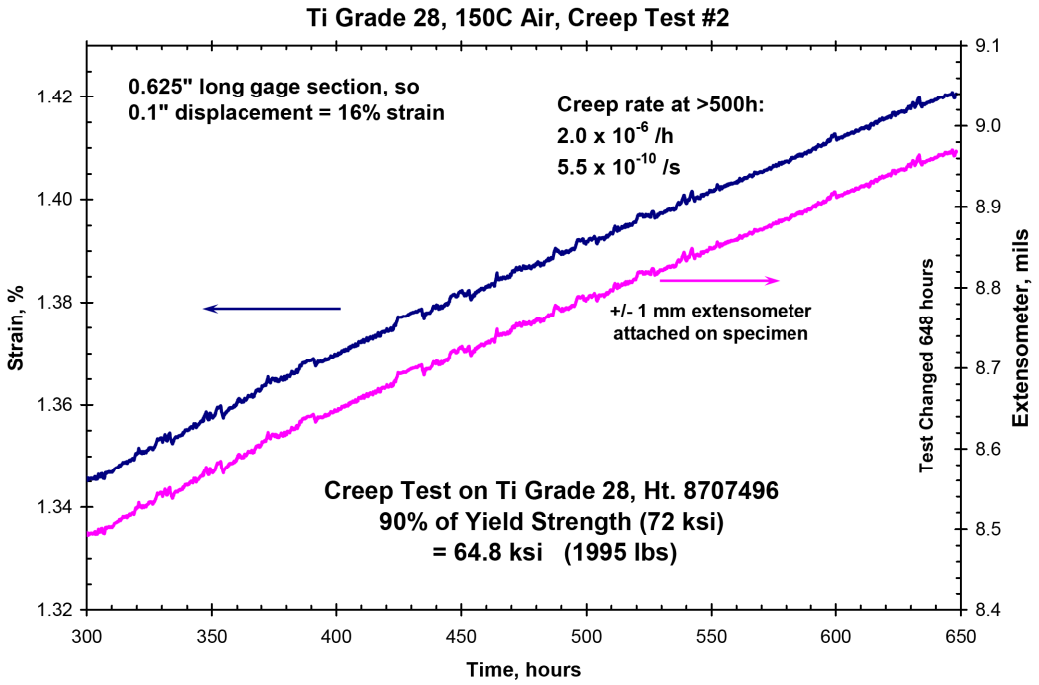

Figure 24. Creep response of Titanium Grade 28 in 150 °C air.

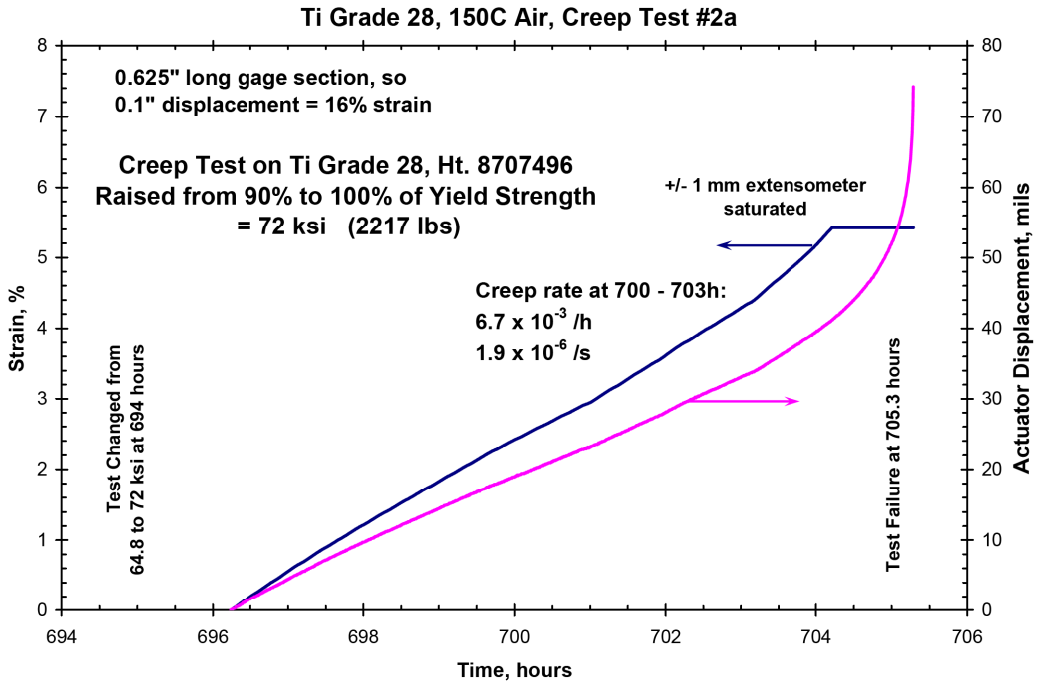

Figure 25. Creep response of Titanium Grade 28 in 150 °C air.

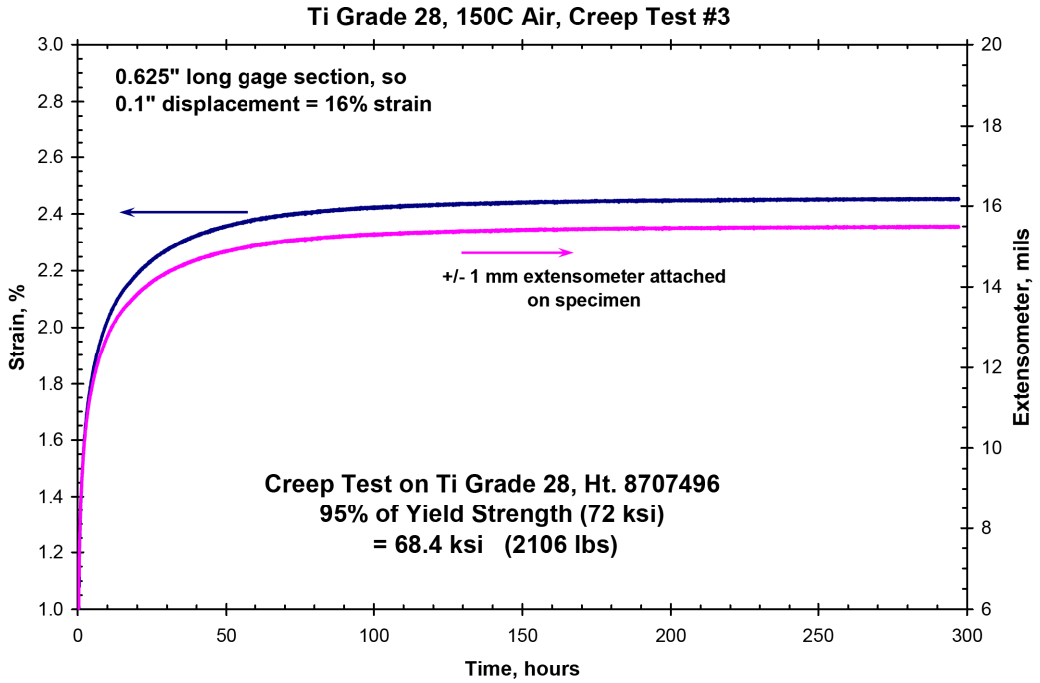

Figure 26. Creep response of Titanium Grade 28 in 150 °C air.

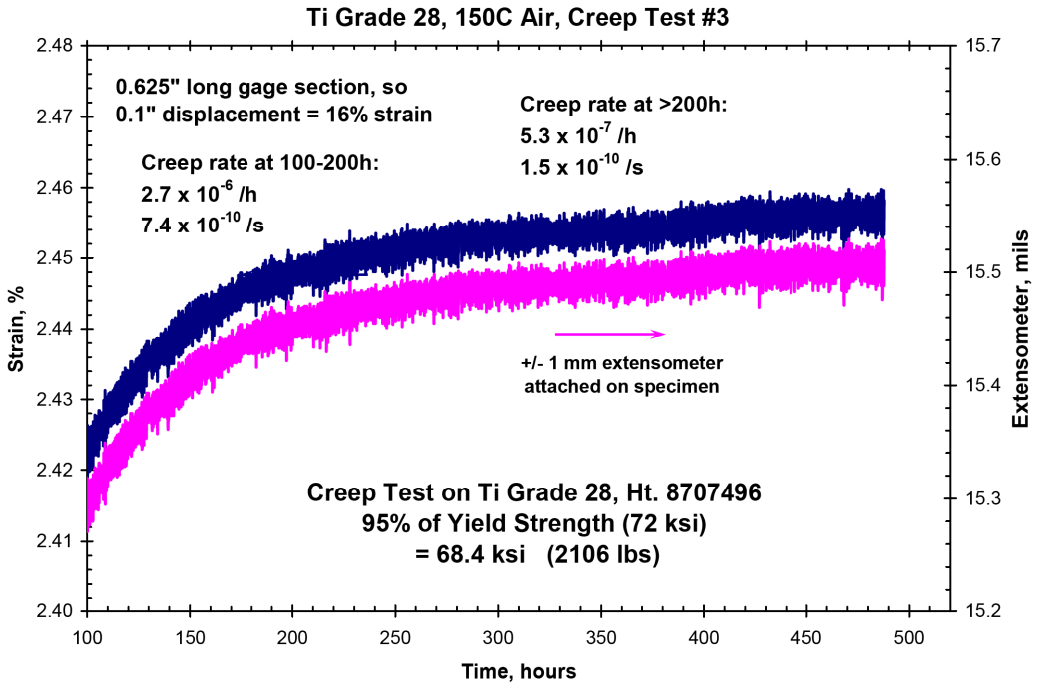

Figure 27. Creep response of Titanium Grade 28 in 150 °C air.

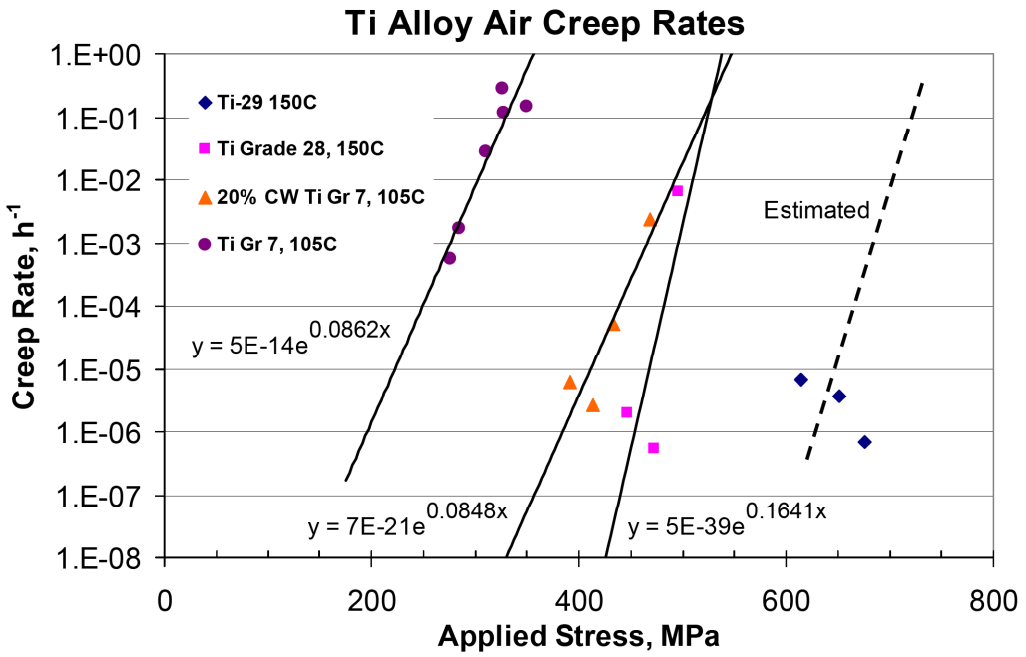

Figure 28. Summary of measured tensile creep rates in air.

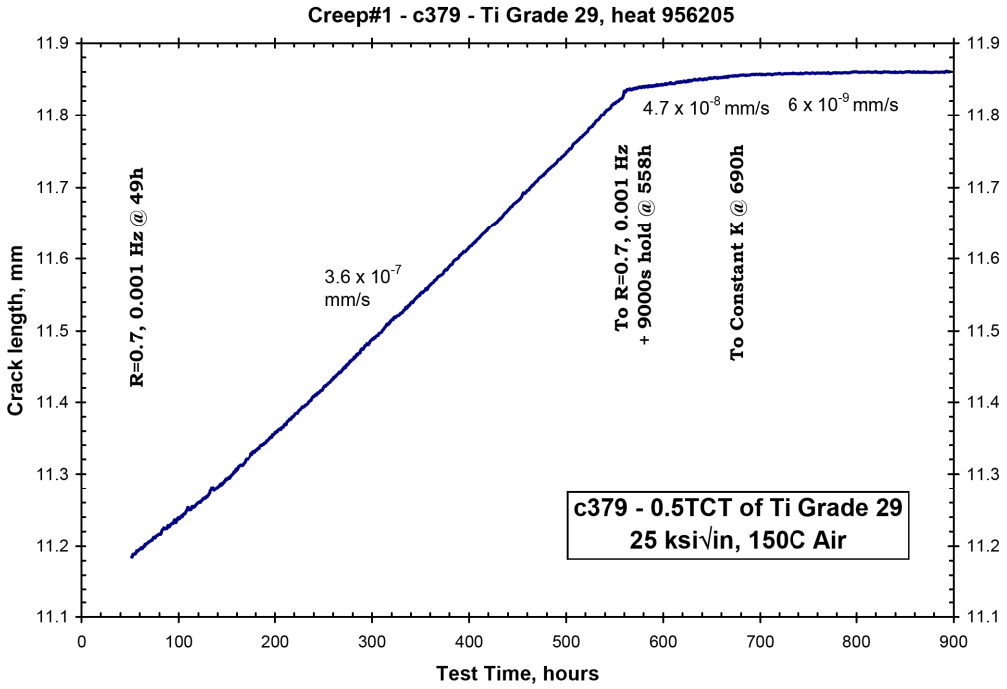

Figure 29. Creep crack growth of 0.5TCT specimen c379 Titanium Grade 29 in 150 °C air.

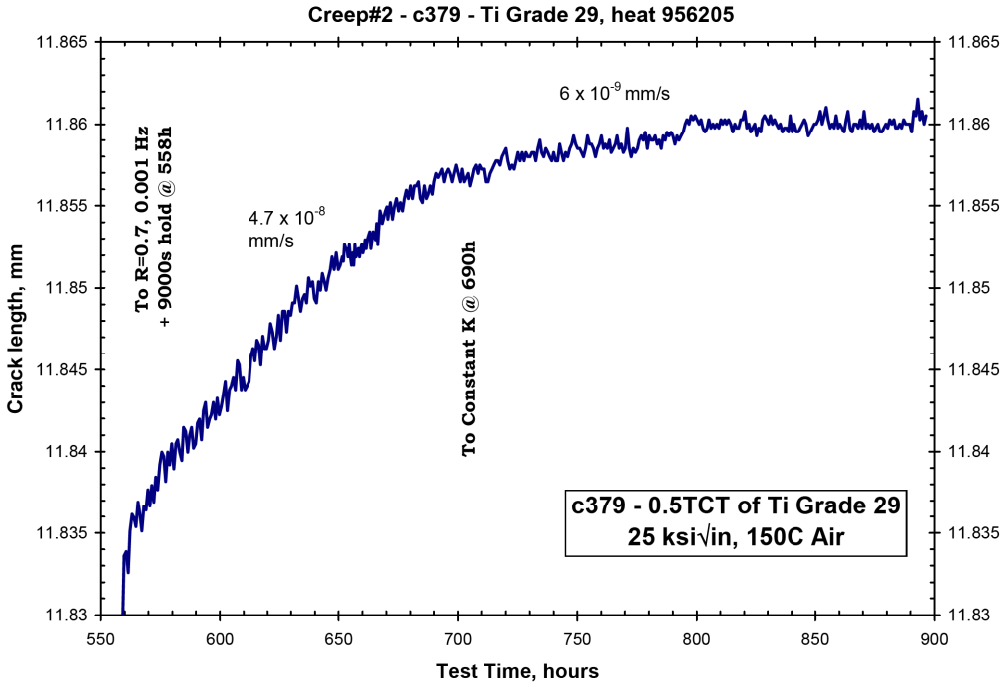

Figure 30. Creep crack growth of 0.5TCT specimen c379 Titanium Grade 29 in 150 °C air.

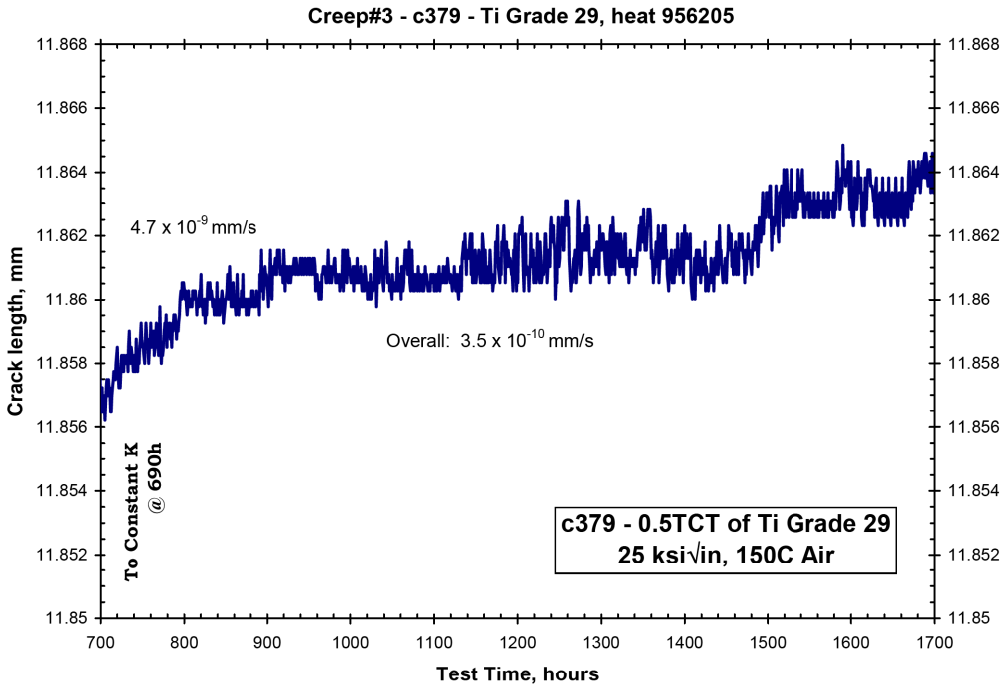

Figure 31. Creep crack growth of 0.5TCT specimen c379 Titanium Grade 29 in 150 °C air.

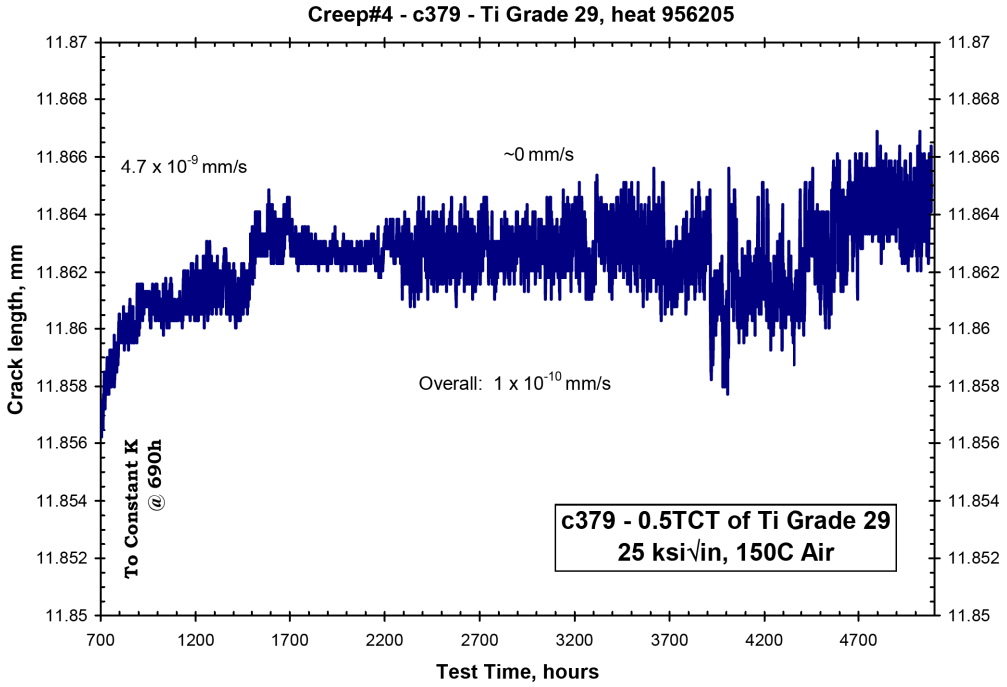

Figure 32. Creep crack growth of 0.5TCT specimen c379 Titanium Grade 29 in 150 °C air.

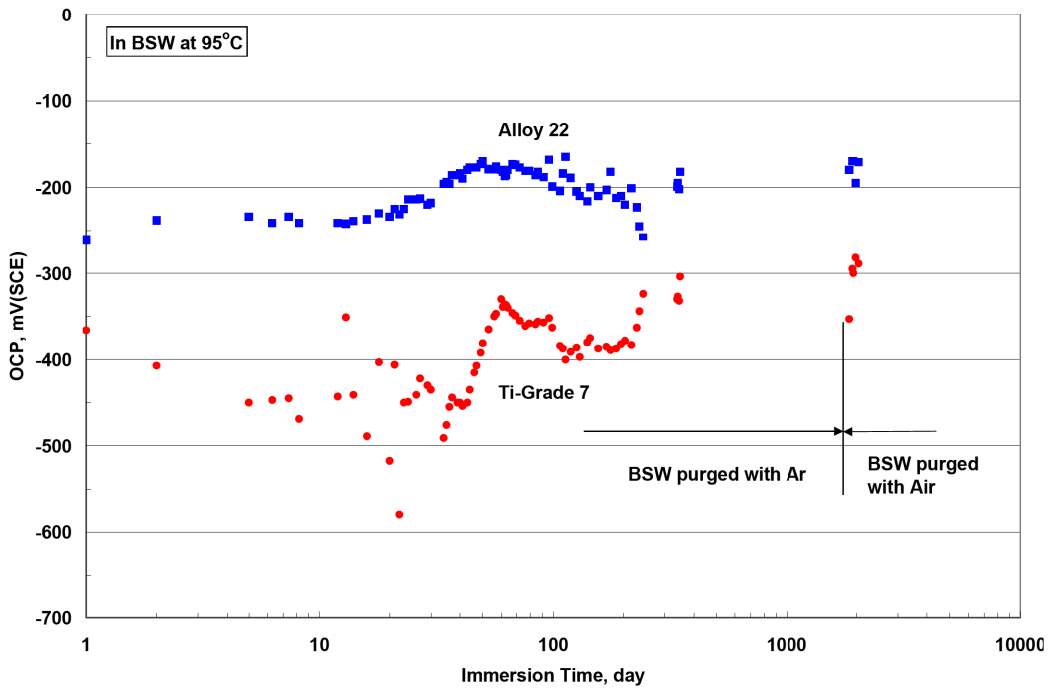

Figure 33. Corrosion potential vs. time plot of Alloy 22 and Ti Grade 7 at 95 °C in a mixed salt environment.

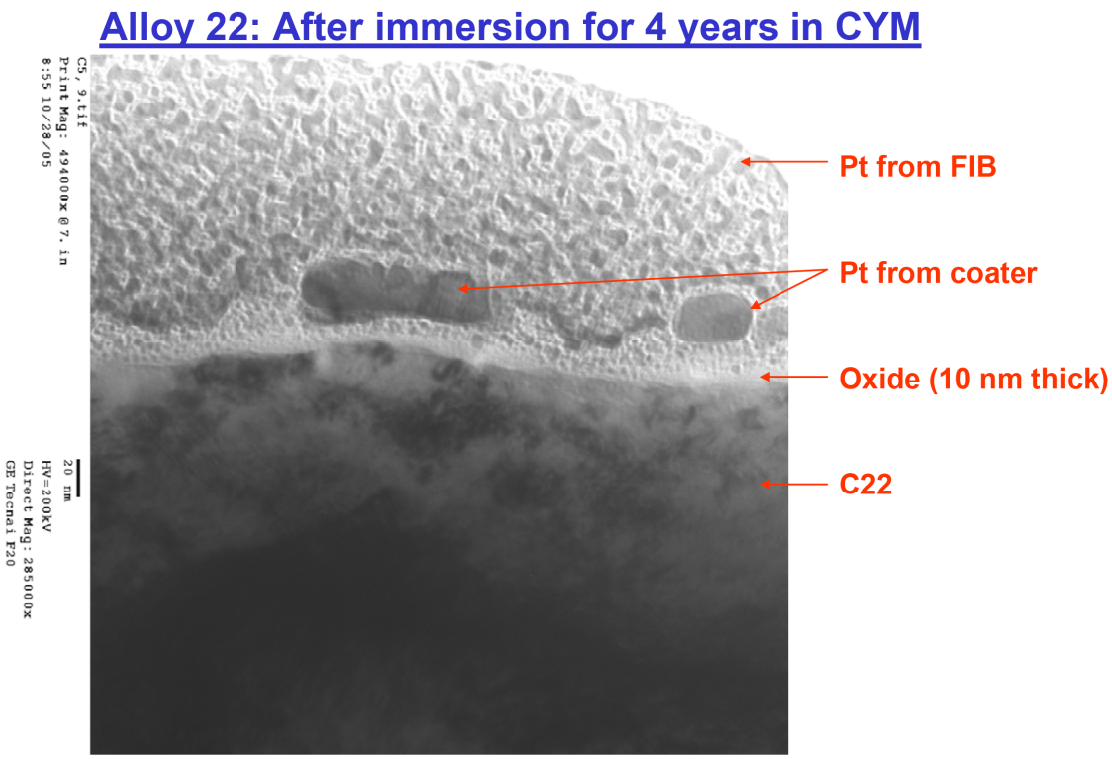

Figure 34. TEM micrograph showing the cross-section view of oxide formed on Alloy 22 for 4 years at 95 °C in a mixed salt environment.

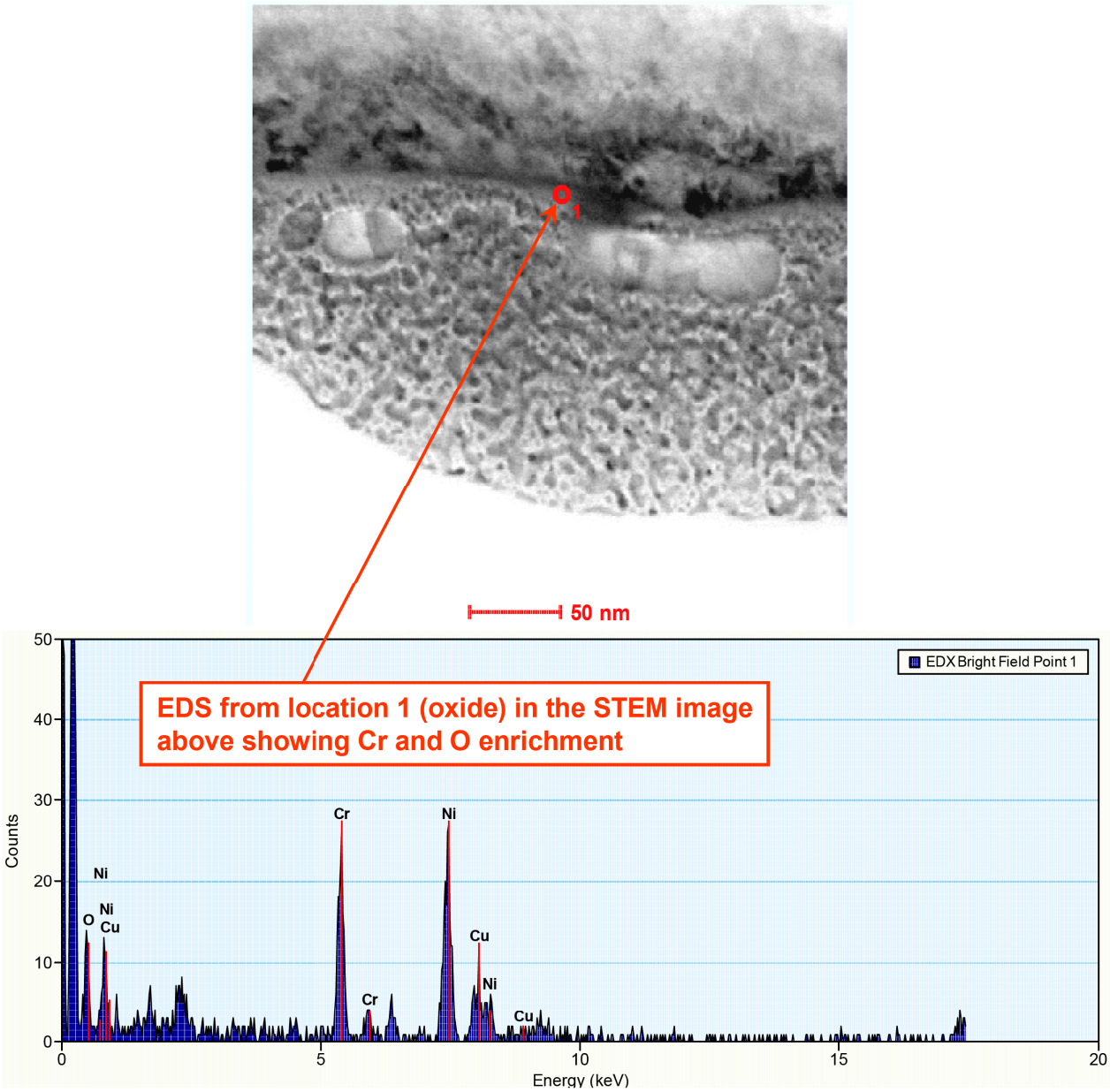

Figure 35. EDAX data showing the oxide chemistry formed on Alloy 22 for 4 years at 95 °C in a mixed salt environment. The Cu signal comes from a Cu grid of TEM.

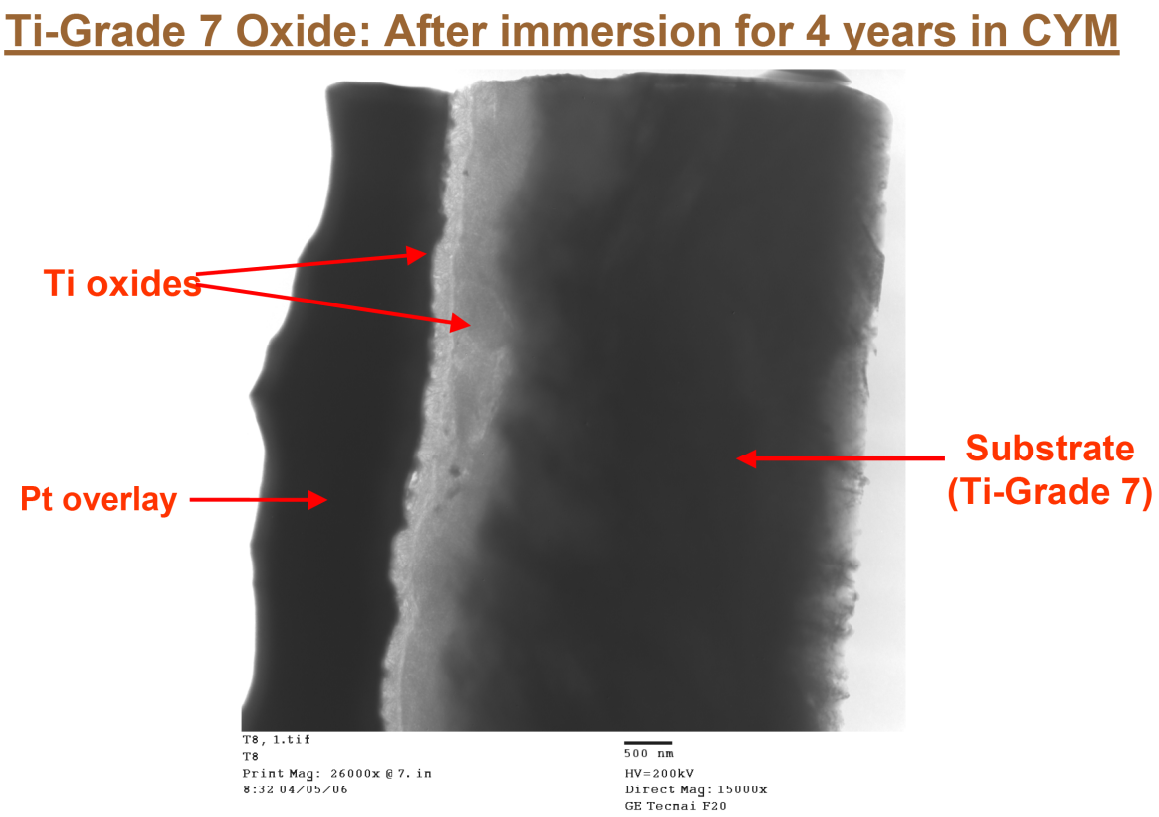

Figure 36. TEM micrograph showing the cross-section view of oxide formed on Ti Grade 7 for 4 years at 95 °C in a mixed salt environment.

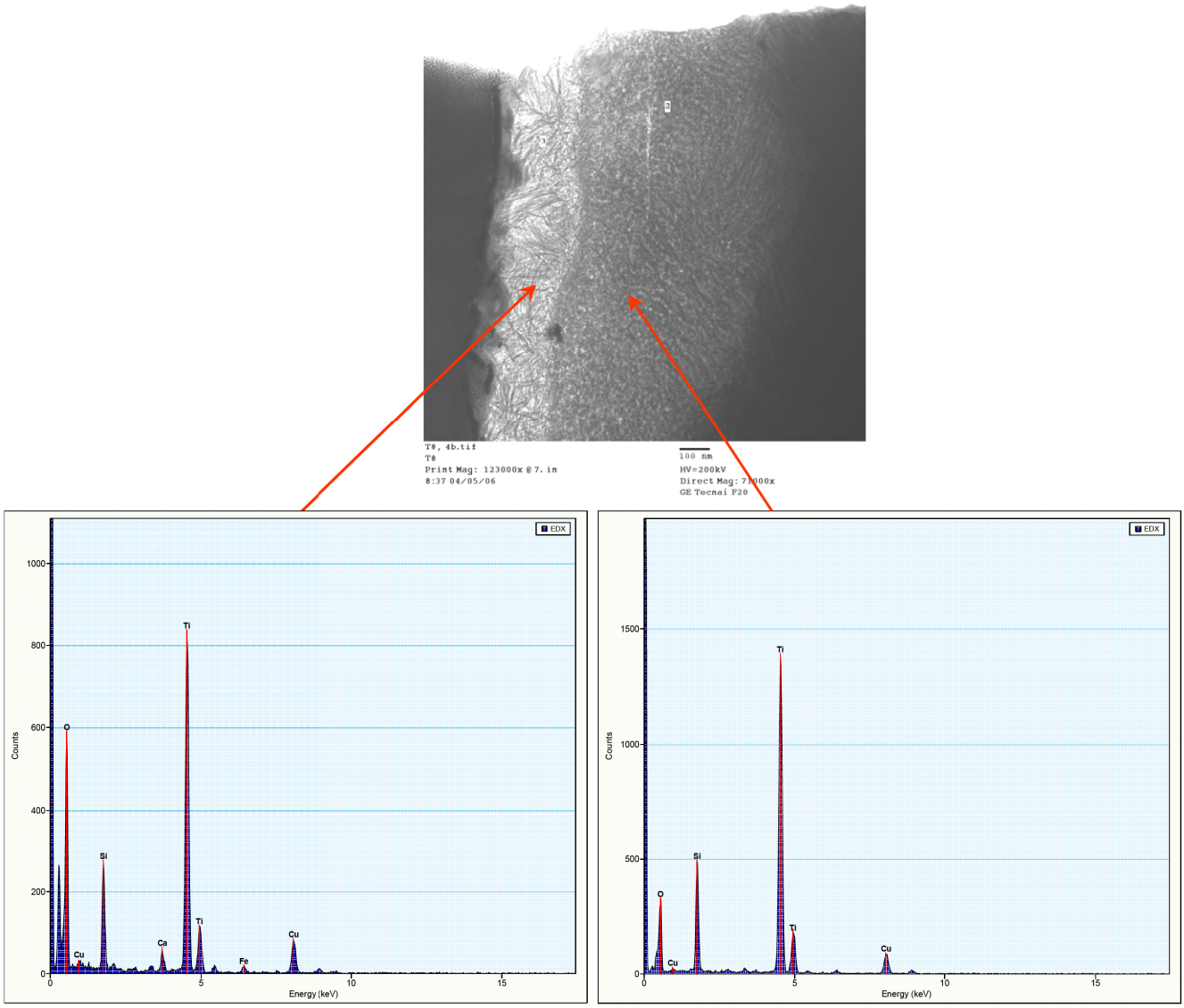

Figure 37. EDAX data showing the oxide chemistry formed on Ti Grade 7 for 4 years at 95 °C in a mixed salt environment. The Cu signal comes from a Cu grid of TEM.